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MIAMI-DADE COUNTY, FLORIDA
NOTICE TO PROFESSIONAL CONSULTANTS
MIAMI DADE WATER AND SEWER DEPARTMENT
DESIGN-BUILD SERVICES FOR REPLACEMENT OF WATER MAINS AND SERVICE CONVERSIONS IN THE SHENANDOAH AREA (B)
ISD PROJECT NO. DB13-WASD-04

The County Mayor, Miami-Dade County (County), pursuant to Section 287.055, Florida Statutes, 2-8.1 and 2-10.4 of the Miami-Dade County Code and Administrative Order 3-39, announces that design-build services are required for design services for the replacement of water mains and service conversions in the Shenandoah area (B).

The scope of services shall include, but not be limited to, surveying, geotechnical investigations, engineering, design, permitting, technical specifications, construction, testing and commissioning services, customer contact, negotiation and agreement execution for the implementation of new 8-inch water mains. The project consists of the replacement of the existing undersized and deteriorated water mains in order to improve system pressure and provide fire flow protection, and for water service conversions (transfer of services from the rear to the front of properties) in the Shenandoah Area (Phase B) in the City of Miami. The project includes the following main elements:

1. Approximately 45,750 linear feet of 8-inch ductile iron and 1,200 linear feet of 6-inch ductile iron water main pipe and fittings to include, but not be limited to the following: all required resilient seated gate valves; all required fire hydrant assemblies with guard posts; approximately 1,170 water services; 664 water service conversions from rear of property to front of property to include all required piping, fittings and accessories, testing and restoration within private property including providing safety and protection of homeowner's property; tapping connections of various sizes to existing mains including tapping sleeves and valves; in-line water main connections to existing mains of various sizes; air release valve and flushing valve outlet assemblies; polyethylene **encasement** for ductile iron pipe and fittings, if ordered by the Engineer; sheeting and shoring ordered left in place by the Engineer; additional suitable backfill, if needed; furnish all materials, equipment and supplies necessary for cleaning, testing and disinfecting the mains; removal of existing asphalt pavement and sod; milling and resurfacing of existing asphalt pavement; removal, transport, salvage and legal disposal of demolition material; placing existing water mains out of service upon completion of work; traffic control; installation and restoration of pedestrian curb ramps and installation of detectable warning surface, as directed; temporary and permanent replacement of any utilities, pavement, sidewalk, curb & gutter, valley gutter, traffic circle roundabouts, trees, landscaping, sod, pavement markings, and/or driveway damaged by construction and all other appurtenant and miscellaneous items and work for a complete and fully functional installation.

The Design-Builder shall design and construct all ancillary piping, tapping, temporary bypass, and tie-in connections to facilitate successful construction and commissioning the new 8-inch water mains without any interruption of service to the existing Miami-Dade Water and Sewer (WASD) customers.

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The duration of the proposed design-build contract is 910 calendar days. The total compensation for the design-build contract is $11,485,579.76 which includes the following:

- $8,635,256.00 estimated construction cost;
- $1,217,552.62 estimated engineering cost;
- $ 431,762.80 contingency fees for construction (5%);
- $ 121,755.26 contingency fees for engineering (10%);
- $ 820,195.40 dedicated allowance;
- $ 259,057.68 permitting fees.

Firms providing engineering services must be certified in the following technical categories and the respective percentages of the disciplines as indicated below:

Technical Category No.	***Description***	***Total Percentage***	***CBE Percentage***
6.01 Prime	Water Distribution and Transmission	20	0
15.01 Prime	Topographical Surveying and Mapping – Land Surveying (Public Right-of-Way)	16	16
15.03 Prime	Utility Underground Location	5	0
16.00 Prime	Civil Engineering	25	0
3.04	Traffic Engineering Studies	1	1
9.02	Soils, Foundations and Geotechnical Materials Engineering Testing	2	2
10.05	Contamination Assessment and Monitoring	1	1
12.00	General Mechanical Engineering	15	0
17.00	Engineering Construction Management	15	0
	TOTAL	100	20

The design and construction services rendered by the Design-Builder shall result in a complete, functional, and operable piping project with a minimum 80 year design life.